| Index of Cl |  |
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| Application No. | Applicant(s)  |   |
|-----------------|---------------|---|
| 10/074,098      | FETZER ET AL. | • |
| Examiner        | Art Unit      |   |
| Eric Coleman    | 2183          |   |

| <b>√</b> | Rejected |
|----------|----------|
| 1        | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | im       | Date    |                |          |                                                  |                                                  |                 |                 |           | Claim Date |                  |              |          |          |                 |          |          |           |          |          | Cli      | aim      | Date              |               |            |               |         |              |                                     |                 |              |              |          |
|----------|----------|---------|----------------|----------|--------------------------------------------------|--------------------------------------------------|-----------------|-----------------|-----------|------------|------------------|--------------|----------|----------|-----------------|----------|----------|-----------|----------|----------|----------|----------|-------------------|---------------|------------|---------------|---------|--------------|-------------------------------------|-----------------|--------------|--------------|----------|
|          | =        |         |                |          |                                                  |                                                  |                 |                 |           |            | 1                |              |          |          |                 |          |          |           |          |          |          |          |                   |               |            |               | T       |              |                                     |                 |              | $\Box$       |          |
| Final    | Original | 12/7/04 |                |          |                                                  |                                                  |                 |                 |           |            |                  | व            | Original |          |                 |          |          |           |          |          |          |          |                   | <u> </u>      | Original   |               |         |              |                                     |                 |              | ŀ            |          |
| ᇤ        | )rig     | 2       |                |          |                                                  |                                                  | Ī               | 1               |           |            |                  | Final        | nig.     |          |                 |          |          |           |          |          |          |          |                   | Final         | hig        | -             |         |              |                                     |                 |              |              |          |
|          | 0        | Ι ,     |                |          |                                                  |                                                  |                 |                 |           |            | ľ                |              | 0        |          |                 |          |          |           |          |          |          |          |                   |               | 0          | - 1           |         |              |                                     |                 |              |              |          |
|          | 1        | V       | 1              |          |                                                  |                                                  |                 |                 |           |            | ]                |              | 51       |          |                 |          |          |           |          |          |          |          |                   |               | 101        |               |         |              |                                     |                 |              |              |          |
|          | 2        | V       |                |          |                                                  |                                                  |                 |                 |           |            | ]                |              | 52       |          |                 |          |          |           |          |          |          |          |                   |               | 102        |               |         |              |                                     |                 |              |              |          |
|          | 3        | V       | 1              | _        |                                                  |                                                  |                 |                 |           |            | ]                |              | 53       |          |                 |          |          |           | . ]      |          |          |          |                   |               | 103        |               |         |              |                                     |                 |              | $\Box$       |          |
|          | 4        | V       |                | <u> </u> |                                                  |                                                  |                 |                 |           |            | ]                |              | 54       |          |                 |          |          |           | _        | _        | _        |          |                   |               | 104        |               |         |              |                                     |                 |              |              |          |
|          | 5        | 0       |                | _        | _                                                | _                                                | <u> </u>        |                 |           |            | Į                |              | 55       |          |                 |          |          |           | _        |          |          |          |                   |               | 105        |               |         | 1_           | L                                   |                 | Ш            | $\perp$      |          |
|          | 6        | X       | <u> </u>       | _        |                                                  | <u> </u>                                         | ļ               | _               |           |            |                  |              | 56       | <u> </u> |                 |          |          |           | _        | _        |          |          |                   |               | 106        | _             |         | ↓_           | ↓_                                  | Ш               | Ш            | _            |          |
| ļ        | 7        | 0       | <u> </u>       |          | <u> </u>                                         | <u> </u>                                         | <u> </u>        | <u> </u>        |           | _          |                  | <u> </u>     | 57       |          |                 |          |          |           | _        | _        |          |          |                   |               | 107        |               | _       | ↓_           | ــــــ                              | Ш               | $\sqcup$     |              |          |
| igwdard  | 8        | =       | _              | _        |                                                  | <u> </u>                                         | ┡               | ▙               | _         | _          |                  |              | 58       |          |                 |          |          |           | _        | -        | _        | 괵        |                   |               | 108        | 4             | 4_      | 4            | ╀                                   | _               | <b></b>      | <del> </del> | _        |
| <u> </u> | 9        | =       | ┝              | _        | _                                                |                                                  |                 | <u> </u>        |           |            | 1.               |              | 59       |          |                 |          | _        |           | _        | _        |          | 4        |                   | <u> </u>      | 109        | _             | _       | +            | ┞-                                  |                 | $\vdash$     | _            |          |
|          | 10       | =       | -              | _        | _                                                | _                                                | <u> </u>        | ├               | <u> </u>  |            | 1                |              | 60       |          | $\dashv$        |          |          | _         | $\dashv$ |          | _        | {        |                   |               | 110        | _             | +       | <del> </del> | -                                   | -               |              |              |          |
|          | 11<br>12 | =       | -              | _        | <del> </del>                                     | <del> </del>                                     | $\vdash$        | $\vdash$        | $\vdash$  |            | 1                |              | 61<br>62 | <u> </u> | $\vdash \vdash$ |          |          | _         |          | $\dashv$ |          |          |                   |               | 111        | _             | +       | +            | -                                   | $\vdash$        | $\dashv$     | $\dashv$     |          |
| $\vdash$ | 13       | = =     | -              |          | <del> </del>                                     | $\vdash$                                         | <del> </del>    | ├               |           |            | ł                | $\vdash$     | 63       | -        |                 |          |          |           |          |          |          | $\dashv$ |                   |               | 112        |               | +       | +            | -                                   | $\vdash\vdash$  | $\dashv$     | $\dashv$     |          |
|          | 14       | =       | $\vdash$       | _        | <del>                                     </del> | $\vdash$                                         | $\vdash$        | <del> </del>    |           | _          | 1                | <u> </u>     | 64       | -        | $\vdash$        |          |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          | × .               |               | 113<br>114 | -             | +       | +-           | $\vdash$                            | $\vdash$        | $\vdash$     | $\dashv$     |          |
|          | 15       | =       | $\vdash$       | $\vdash$ | $\vdash$                                         | <del>                                     </del> |                 | $\vdash$        | $\vdash$  |            | -                | <del> </del> | 65       | $\vdash$ | $\vdash$        | $\dashv$ |          | $\dashv$  |          | -        |          |          | -                 |               | 115        | -             | +-      | +            | 1                                   | $\vdash$        |              | $\dashv$     |          |
| H        | 16       | =       |                |          | <del> </del>                                     | -                                                | $\vdash$        | $\vdash$        |           |            |                  | <del></del>  | 66       | _        | $\vdash$        |          |          | $\dashv$  | $\dashv$ | $\dashv$ |          | $\dashv$ |                   |               | 116        | -             | +-      | ╁            | ╁                                   | $\vdash$        |              | $\dashv$     |          |
| $\vdash$ | 17       | =       |                |          |                                                  | -                                                | -               | $\vdash$        |           | -          | 9                | _            | 67       | _        |                 | $\dashv$ |          | $\dashv$  | $\dashv$ | -+       |          | $\dashv$ |                   |               | 117        |               | +-      | +            | $\vdash$                            |                 |              | $\dashv$     |          |
| H        | 18       | =       |                |          | $\vdash$                                         | <del> </del>                                     | $\vdash$        | ┢               |           |            |                  | <b></b>      | 68       |          |                 |          |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                   |               | 118        |               | +       | ╁╌           | -                                   |                 | -            | $\dashv$     | _        |
|          | 19       | ┢       | H              |          |                                                  | $\vdash$                                         | $\vdash$        |                 |           |            |                  |              | 69       |          |                 |          |          | _         | $\dashv$ |          | $\dashv$ | $\dashv$ |                   |               | 119        |               | +       | +            | 1                                   |                 | $\dashv$     | $\dashv$     | _        |
|          | 20       |         | Ħ              |          |                                                  |                                                  |                 |                 |           |            | ċ.               |              | 70       |          |                 |          |          |           | _        | _        | $\dashv$ | $\dashv$ |                   |               | 120        | -             | +       | +-           | 1                                   | $\vdash$        | $\dashv$     | $\dashv$     | _        |
|          | 21       | _       | $\vdash$       |          | $\vdash$                                         | 一                                                | _               |                 |           |            | -                |              | 71       |          |                 | _        |          |           | 寸        | 7        |          | $\neg$   |                   | <u> </u>      | 121        | _             | ╅       | ╁            |                                     |                 | $\dashv$     | $\dashv$     |          |
|          | 22       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 72       |          |                 |          |          | $\neg$    | _        | $\neg$   |          |          | -                 |               | 122        | $\dashv$      | ┪       | +            | 1-                                  |                 | $\dashv$     | $\dashv$     |          |
|          | 23       |         |                |          |                                                  |                                                  |                 |                 |           |            | .,               |              | 73       |          |                 |          |          | 一         | 一        |          | T        | 一        |                   |               | 123        |               | 1       | †            | $\vdash$                            |                 |              | ヿ            | _        |
|          | 24       |         |                |          |                                                  |                                                  |                 |                 |           |            | 1                |              | 74       |          |                 |          |          |           |          | 寸        |          |          | ×                 |               | 124        |               | Ť       | 1            |                                     |                 |              | ヿ            |          |
|          | 25       |         |                |          |                                                  |                                                  |                 |                 |           |            | Ι.               |              | 75       |          |                 |          | $\Box$   |           | 一        |          |          |          | ٠.                |               | 125        | $\neg$        | 1       | T            |                                     |                 | コ            | 寸            |          |
|          | 26       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 76       |          |                 |          |          | 1         | Ī        | Ì        |          |          | <u>.</u> .        |               | 126        |               |         | $\top$       |                                     | $\Box$          |              | ヿ            | _        |
|          | 27       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 77       |          |                 |          |          |           |          |          |          |          |                   |               | 127        |               | Ì       | 1            |                                     |                 | 一            | $\exists$    |          |
|          | 28       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 78       |          |                 |          |          |           |          |          |          |          |                   |               | 128        |               |         |              |                                     |                 |              | $\exists$    |          |
|          | 29       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 79       |          |                 |          |          |           |          |          |          |          |                   |               | 129        |               |         |              |                                     |                 |              |              |          |
|          | 30       |         |                |          |                                                  |                                                  |                 |                 |           |            | - 0              |              | 80       |          |                 |          |          |           |          |          |          |          |                   |               | 130        |               |         |              |                                     |                 |              |              |          |
|          | 31       |         |                |          | Щ                                                | <u> </u>                                         |                 |                 |           |            | -                |              | 81       |          |                 |          |          |           | $\perp$  | $\perp$  | $\perp$  |          |                   |               | 131        |               |         |              |                                     |                 |              | $\Box$       |          |
|          | 32       |         |                |          |                                                  |                                                  | _               | igsqcup         |           |            |                  |              | 82       |          | _               |          | _        | _         | _        | $\perp$  |          |          | •••               |               | 132        |               |         |              |                                     |                 |              | $\perp$      |          |
|          | 33       |         | Ш              |          | Щ                                                |                                                  | igspace         |                 | Щ         |            |                  |              | 83       |          |                 |          | _        | _         | _        | $\perp$  | _        |          |                   |               | 133        |               | $\perp$ | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Щ               | $\Box$       | $\bot$       |          |
|          | 34       |         |                |          |                                                  |                                                  | <u> </u>        | $\square$       |           |            |                  |              | 84       |          | _               |          | _        |           | _        | _        | _        | _        |                   |               | 134        | $\perp$       | 4       | ↓_           | _                                   | $\sqcup$        | _            | $\dashv$     |          |
|          | 35       | -       | $\vdash$       |          | $\square$                                        |                                                  | $\vdash$        | $\vdash$        | Ш         |            |                  |              | 85       |          |                 | _        |          | $\dashv$  | 4        | _        |          |          | :                 |               | 135        |               | $\bot$  | ↓_           | <u> </u>                            | $\sqcup$        | _            | $\dashv$     | _        |
|          | 36       |         | $\sqcup$       |          | -                                                |                                                  | _               | Щ               | Щ         |            |                  |              | 86       | _        | _               |          |          | $\dashv$  | _        | 4        | -        |          |                   |               | 136        | _             | ┵-      | 1_           | ļ                                   | Ш               | 4            | _            |          |
|          | 37       |         | Н              |          |                                                  |                                                  | $\vdash \vdash$ |                 | $\square$ |            | 1.15             |              | 87       |          |                 |          | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | 4        | [        |                   |               | 137        | $\dashv$      | +       | 4            | <u> </u>                            | $\square$       | _            | $\dashv$     |          |
|          | 38       | _       | $\vdash\vdash$ |          | $\vdash$                                         |                                                  | $\vdash$        | $\vdash$        |           |            |                  |              | 88       |          |                 | 4        | $\dashv$ | $\dashv$  |          | -4       |          | {        | 7                 |               | 138        | $\dashv$      | -       | +            | -                                   |                 | <del> </del> | $\dashv$     |          |
|          | 39<br>40 | _       | Н              |          | $\vdash$                                         |                                                  | $\vdash$        | $\vdash$        | -         |            |                  | -            | 89       |          | $\dashv$        | -        | $\dashv$ | $\dashv$  |          | -        |          |          | ٠,                |               | 139        | _             | +       | +            | -                                   | -               | $\dashv$     | $\dashv$     |          |
|          | 41       |         |                |          | $\vdash$                                         |                                                  | $\vdash$        | $\vdash$        |           |            | -                |              | 90<br>91 |          | $\dashv$        |          |          | $\dashv$  | -        |          | -+       | $\dashv$ | 10                |               | 140        | +             | +       | $\vdash$     | -                                   | $\vdash \vdash$ | $\dashv$     | $\dashv$     | _        |
|          | 42       | -       | $\vdash\vdash$ | -        | -                                                | -                                                | $\vdash$        | $\vdash$        |           |            |                  | <del></del>  | 92       | -        | $\dashv$        |          | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          |                   |               | 141        | $-\!\!\!+$    | +       | +-           |                                     | $\vdash$        | $\dashv$     | $\dashv$     |          |
|          | 43       |         | $\vdash$       | $\dashv$ |                                                  |                                                  |                 | -               | $\dashv$  |            | 4                |              | 93       |          | $\dashv$        | $\dashv$ |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | _        | ,, 2 <sup>1</sup> | $\overline{}$ | 142        | +             | +       | +            | -                                   | $\vdash$        | $\dashv$     | $\dashv$     |          |
|          | 44       |         | H              | -        | $\vdash$                                         |                                                  | $\vdash$        | $\vdash \vdash$ | -         |            |                  |              | 94       | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | -        | 1                 |               | 144        | +             | +       | +            | -                                   | $\vdash$        | $\dashv$     | $\dashv$     | _        |
|          | 45       |         | $\vdash$       | $\neg$   |                                                  |                                                  | $\dashv$        | Н               |           | _          |                  |              | 95       |          | $\dashv$        |          | $\dashv$ | -+        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                   |               | 145        | +             | +       | +            | $\vdash$                            | $\vdash$        | $\dashv$     | $\dashv$     | _        |
|          | 46       |         |                |          |                                                  |                                                  | $\vdash$        | $\vdash$        |           | ,          | ·                | $\dashv$     | 96       | -        | $\dashv$        |          | -+       | 十         | 十        | -        | -        | $\dashv$ |                   |               | 146        | +             | +       | +-           | $\vdash$                            | $\vdash \vdash$ | $\dashv$     | $\dashv$     |          |
|          | 47       | _       | -              | 一        |                                                  |                                                  |                 | H               |           |            | i.<br>Au         |              | 97       |          | $\dashv$        | ᅥ        | $\dashv$ | $\dashv$  | +        | $\dashv$ | 十        | $\dashv$ |                   |               | 147        | -             | +       | $\vdash$     |                                     |                 | +            | +            | _        |
|          | 48       |         |                |          | _                                                |                                                  |                 | П               |           |            | 1.7# <u>\$</u> - |              | 98       | $\dashv$ |                 | 一        | _        | $\dashv$  | 十        | 十        | 十        |          |                   |               | 148        | -             | $\top$  | 3            | $\vdash$                            | $\vdash$        | 十            | $\dashv$     | _        |
|          | 49       |         |                | $\neg$   |                                                  | Ť                                                |                 |                 |           |            |                  |              | 99       | T        | $\neg$          | 寸        |          | $\neg$    | $\dashv$ | $\dashv$ | $\neg$   | 7        | ."                | -             | 149        | $\neg \vdash$ | $\top$  | t            | $\vdash$                            |                 | $\dashv$     | +            | ᅱ        |
|          | 50       |         |                |          |                                                  |                                                  |                 |                 |           |            |                  |              | 100      |          |                 | $\neg$   | 寸        | $\exists$ | $\dashv$ |          | $\neg$   |          | -"                |               | 150        |               | 十       | T            |                                     |                 | 十            | $\dashv$     | $\dashv$ |
|          |          |         |                |          |                                                  |                                                  |                 |                 | _         |            |                  |              |          |          |                 |          |          |           |          |          |          | _        |                   |               |            |               |         |              |                                     |                 |              |              |          |